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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.																
10/530,338	04/01/2005	Reinhard Koegel	PD020098	4708																
<p>24498 7590 06/05/2007 JOSEPH J. LAKS, VICE PRESIDENT THOMSON LICENSING LLC PATENT OPERATIONS PO BOX 5312 PRINCETON, NJ 08543-5312</p>			<table border="1"><tr><td colspan="2">EXAMINER</td></tr><tr><td colspan="2">STERRETT, JEFFREY L</td></tr><tr><td>ART UNIT</td><td>PAPER NUMBER</td></tr><tr><td>2838</td><td></td></tr><tr><td colspan="2">MAIL DATE</td><td colspan="2">DELIVERY MODE</td></tr><tr><td colspan="2">06/05/2007</td><td colspan="2">PAPER</td></tr></table>		EXAMINER		STERRETT, JEFFREY L		ART UNIT	PAPER NUMBER	2838		MAIL DATE		DELIVERY MODE		06/05/2007		PAPER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/530,338	Applicant(s) KOEGL ET AL.	
	Examiner Harry Behm	Art Unit 2838	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 21-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 21-22, 30 and 31 is/are rejected.
- 7) ☒ Claim(s) 23-29 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>4/1/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

The drawings are objected to because Fig. 2 was improperly duplicated truncating elements at the top and bottom of the figure. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

Claim 23 objected to because of the following informalities: it is unclear what limitation is intended by 'in particular'. Appropriate correction is required.

Claim 25 objected to because of the following informalities: 'the driver stage' lacks antecedent basis. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 21-22 and 30-31 are rejected under 35 U.S.C. 102(e) as being anticipated by Marmaropoulos (US 6,462,437).

With respect to Claim 21, Marmaropoulos discloses a power supply (Fig. 1 100) having a first (Fig. 1 winding to load HVG) and a second (Fig. 1 winding to load 180) switch-mode power supply unit, which has a normal operation (Fig. 1 ON), in which both switch-mode power supply units are in operation, and a standby operation (Fig. 1 STANDBY), in which the first switch-mode power supply unit is switched off (Fig. 1 270 open) by a control voltage (Fig. 1 signal standby), the control voltage being used in standby operation for reducing the switching frequency (Fig. 3 PWM OUTPUT has reduced switching during STANDBY) of the second switch-mode power supply unit.

With respect to Claim 22, Marmaropoulos discloses the power supply as claimed in claim 21, wherein the control voltage is transmitted via an optocoupler (Fig. 1 320,130) together with the regulating voltage (Fig. 1 120) for the first switch-mode power supply unit [powers 140] from the secondary side to the primary side (Fig. 1 108).

With respect to Claim 30, Marmaropoulos discloses the power supply as claimed in claim 21, wherein the first and second switch-mode power supply units in each case have a transformer (Fig. 1 transformer) having a primary winding (Fig. 1 108) and at least one secondary winding (Fig. 1 secondary winding powering load 180), a switching element (Fig. 1 112) coupled to one of the primary windings, and a driver stage (Fig. 1 110) in respect thereof, and in that both switch-mode power supply units preferably operate according to the flyback (column 2, lines 31-37) converter principle.

With respect to Claim 31, Marmaropoulos discloses the power supply as claimed in claim 21, wherein the control voltage (Fig. 1 STANDBY) is coupled to a control input [coupled to primary switch] of the first switch-mode power supply unit and an oscillator input (Fig. 1 110) of the second switch-mode power supply unit.

Claims 21-22 and 30-31 are rejected under 35 U.S.C. 102(b) as being anticipated by Hirahara (US 5,920,466).

With respect to Claim 21, Hirahara discloses a power supply (Fig. 1 100) having a first (Fig. 1 9) and a second (Fig. 1 14) switch-mode power supply unit, which has a normal operation (Fig. 1 not standby), in which both switch-mode power supply units are in operation, and a standby operation (Fig. 1 standby), in which the first switch-mode power supply unit is switched off (Fig. 1 10 open) by a control voltage (Fig. 1 Micro-Computer stanby), the control voltage being used in standby operation for reducing the switching frequency (Fig. 1 VOUT frequency reduced) of the second switch-mode power supply unit.

With respect to Claim 22, Hirahara discloses the power supply as claimed in claim 21, wherein the control voltage is transmitted via an optocoupler (Fig. 1 28) together with the regulating voltage (Fig. 1 37 output) for the first switch-mode power supply unit [140V] from the secondary side to the primary side (Fig. 1 6).

With respect to Claim 30, Hirahara discloses the power supply as claimed in claim 21, wherein the first and second switch-mode power supply units in each case have a transformer (Fig. 1 6) having a primary winding (Fig. 1 5) and at least one secondary winding (Fig. 1 19), a switching element (Fig. 1 7) coupled to one of the primary windings (Fig. 1 6), and a driver stage (Fig. 1 63) in respect thereof, and in that both switch-mode power supply units preferably operate according to the flyback ("when FET 7 turns off, flyback voltage occurs in the primary winding 6 and secondary windings" column 4, lines 1-2) converter principle.

With respect to Claim 31, Hirahara discloses the power supply as claimed in claim 21, wherein the control voltage (Fig. 1 standby) is coupled to a control input [(Fig. 1 31] of the first switch-mode power supply unit and an oscillator input (Fig. 1 63) of the second switch-mode power supply unit.

Allowable Subject Matter

Claims 23-29 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

With respect to Claim 23, the prior art does not disclose or suggest, in combination with the limitations of the base claim and any intervening claims, primarily,

wherein said output is connected to an oscillator input of the second switch-mode power supply unit for reducing the switching frequency.

With respect to Claim 25, wherein a second output of the driver stage of the first switch-mode power supply unit, which drives the switching element of the first switch-mode power supply unit is coupled by a series circuit, having a current limiting means and a rectifier means, to an oscillator input of the driver stage.

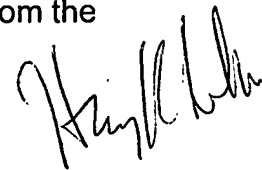
The aforementioned limitations in combination with all remaining limitations of the respective claims are believed to render the aforementioned indicated claim and any dependent claims thereof patentable over the art of record.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Harry Behm whose telephone number is 571-272-8929. The examiner can normally be reached on Business EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Karl Easthom can be reached on 571-272-1989. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the



KARL EASTHOM
SUPERVISORY PATENT EXAMINER